_						
(1390 REV. 5-93) US DEPT. OF COMMERCE	& TRADEMARK OFFICE	ATTOR DOCKET NUMBER				
TRANSMITTAL UNITED ST UNITED ST DESIGNATED/ELE (DO/EO/US) CONCER UNDER 35 U.	U.S. APPLICATION NO. (if known, s c 37 C.F.R.1.5) 09/701,243					
INTERNATIONAL APPLICATION NO. PCT/FR99/01247	INTERNATIONAL FILING DATE May 27, 1999	PRIORITY DATE CLAIMED May 27, 1998				
TITLE OF INVENTION METHOD FOR AMPLIFYING AT LEAST O	NE SPECIFIC NUCLEOTIDE SEQUE	NCE, AND PRIMERS USED				
APPLICANTS FOR DO/EO/US Bruno MOUGIN et al.						
Applicant herewith submits to the Unite information:	d States Designated/Elected Office	e (DO/EO/US) the following items and other				
	f items concerning a filing under 35	5 U.S.C. 371.				
2. Mail This is a SECOND or SUBSE	EQUENT submission of items conc	erning a filing under 35 U.S.C. 371.				
3. This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).						
A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.						
 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. is transmitted herewith (required only if not transmitted by the International Bureau). b. has been transmitted by the International Bureau. c. is not required, as the application was filed in the United States Receiving Office (RO/US) 						
6. A translation of the International Application into English (35 U.S.C. 371(c)(2)).						
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. are transmitted herewith (required only if not transmitted by the International Bureau). b. have been transmitted by the International Bureau. c. have not been made; however, the time limit for making such amendments has NOT expired. d. have not been made and will not be made.						
8. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).						
9. An oath or declaration of the	An oath or declaration of the inventor (35 U.S.C. 371(c)(4)).					
10.						
Items 11. to 16. below concern other 11. An Information Disclosure States	document(s) or information incatement under 37 CFR 1.97 and 1	•				
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.						

13.

A FIRST preliminary amendment.

Other items or information:

14. A substitut specification.

16.

 $\hfill \square$ A SECOND or SUBSEQUENT preliminary amendment.

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) 09/701,243			N NO. ATTO Y'S DOCKET NUMBER 107976			
17. The following fees are submitted:			CALCU	JLATIONS	PTO USE ONLY	
Basic National f e (37 CFR 1.492(a)(1)-(5)):			_			
Search Report h	as been prepared by the	ne EPO or J	JPO\$860.00			
International pre (37 CFR1.482).	liminary examination fe	ee paid to U	SPTO \$690.00			
(37 CFR 1 482)	preliminary examinatio but intemational searcl a)(2))	n fee paid to	USPTO			
1 482) nor interr	onal preliminary examinational search fee (37	CFR 1.445((a)(2))			
(37 CFR 1 482)	eliminary examination for and all claims satisfied	provisions	of PCT			
	ENTER APPROPRIA			\$		
Surcharge of \$130.00 ☐ 20 ☒ 30 months 1.492()).	for furnishing the oath of from the earliest claime	or declaration de priority de	on later than ate (37 CFR	\$130.00		
Claims	Number Filed	Number Extra	Rate			
Total Claims	- 20 =		X \$ 18.00	\$		
Independent Claims	- 3 =		X \$ 80.00	\$		
Multiple dependent cla	aim(s)(if applicable)		+ \$270.00	\$		
	TOTAL OF A	BOVE CAL	CULATIONS =	\$130.00		
Reduction by 1/2 for f	iling by small entity, if a	oplicable.	-	\$		
			SUBTOTAL =	\$130.00		
Processing fee of \$130.00 for furnishing the English translation later than 20 30 month from the earliest claimed priority date (37 CFR 1.492(f)).			\$			
		TOTAL NA	TIONAL FEE =	\$130.00		
			*****		Amount to be refunded	\$
					Charged	\$
 a.						
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) r (b)) must be filed and granted to restore the application to pending status.						
SEND ALL CORRES	PONDENCE TO:					
OLIFF & BER	RIDGE, PLC					
					am P. Berridge ION NUMBER:	30,024
						36,430

ن •• يا	a ,							
(1390 RE	EV. 5-93) US DEPT. OF COMINERS	ENT & TRADEMARK OFFICE	107976					
	TRANSMITTAL LE UNITED ST DESIGNATED/ELE (DO/EO/US) CONCEI UNDER 35 U	U.S. APPLICATION NO. (if known, s c 37 C.F.R.1.5) 09/701,243						
	INTERNATIONAL APPLICATION NO. PCT/FR99/01247 INTERNATIONAL FILING DATE May 27, 1999 PRIORITY DATE CLAIMED May 27, 1998							
TITLE OI METHO	F INVENTION DD FOR AMPLIFYING AT LEAST O	NE SPECIFIC NUCLEOTIDE SEQUE	NCE, AND PRIMERS USED					
Bruno M	ANTS FOR DO/EO/US MOUGIN et al.							
Applica		d States Designated/Elected Office	e (DO/EO/US) the following items and other					
	This is a FIRST submission of	of items concerning a filing under 35	5 U.S.C. 371.					
2.	=		erning a filing under 35 U.S.C. 371.					
3.	This express request to begin delay examination until the example and 39(1).	n national examination procedures xpiration of the applicable time limit	(35 U.S.C. 371(f)) at any time rather than set in 35 U.S.C. 371(b) and PCT Articles 22					
4.	 A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 							
5. [5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. is transmitted herewith (required only if not transmitted by the International Bureau). b. has been transmitted by the International Bureau. c. is not required, as the application was filed in the United States Receiving Office (RO/US)							
6. [☐ A translation of the Internation	onal Application into English (35 U.S	S.C. 371(c)(2)).					
7. [
8. [8. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).							
9. [9. An oath or declaration of the inventor (35 U.S.C. 371(c)(4)).							
10. [10. A translation of the annexes to the International Preliminary Examination Report under PCT Articl 36 (35 U.S.C. 371 (c)(5)).							
Items	Items 11. to 16. below concern other document(s) or information included: 11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.							
12. (An assignment document for included.	r recording. A separate cover shee	et in compliance with 37 CFR 3.28 and 3.31 is					
13.	☐ A FIRST preliminary amend	ment.						
	A SECOND or SUBSEQUENT preliminary amendment.							
14.	☐ A substitute specification.							

16.

Other items or information: Sequenc Listing (paper and computer readable copies)

U.S. APPLICATION NO. (if known, see 37 INTERNATIONAL APPLICATION PCT/FR99/01247		N NO. ATTACHEY'S DOCKET NUMBER 107976				
17. The followin	17. The following fees are submitted:		CALCU	JLATIONS	PTO USE ONLY	
Basic National fe (37 CFR 1.492(a)(1)-(5)):						
Search Report h	nas been prepared by	the EPO or 、	JPO \$860.00			
International pre (37 CFR1.482).	liminary examination	fee paid to U	JSPTO \$690.00			
No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2))\$710.00						
1.482) nor intern	onal preliminary exam national search fee (3	' CFR 1.445	(a)(2))			
(37 CFR 1.482)	eliminary examination and all claims satisfie	d provisions	of PCT			
	ENTER APPROPRIA			\$		
Surcharge of \$130.00 20 30 months 1.492(e)).	for furnishing the oath from the earliest claim	ed priority da	on later than ate (37 CFR	\$		·
Claims	Number Filed	Number Extra	Rate			
Total Claims	- 20 =		X \$ 18.00	\$		
Independent Claims	- 3 =		X \$ 80.00	\$		
Multiple dependent cla	aim(s)(if applicable)		+ \$270.00	\$		
	TOTAL OF	ABOVE CAL	CULATIONS =	\$		· · · · · · · · · · · · · · · · · · ·
Reduction by 1/2 for f	iling by small entity, if	applicable.		\$		
			SUBTOTAL =	\$	<u></u>	
Processing fee of \$130.00 for furnishing the English translation later than 20 30 month from the earliest claimed priority date (37 CFR 1.492(f)). +			\$			
		TOTAL NA	TIONAL FEE =	\$		
					Amount to be refunded	\$
					Charged	\$
 a. Check No in the amount of \$ to cover the above fees is enclosed. b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed. c. The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to 						
Deposit Account No. <u>15-0461</u> . A duplicate copy of this sheet is enclosed.						
NOTE: Where an ap 1.137(a) or (b)) mus	NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC						
					am P. Berridge ION NUMBER:	30,024
					en J. Prewitt ION NUMBER:	45,023

(1390 Rev.10-00)

The following papers have been filed:

PCT Transmittal Letter (in duplicate); Supplemental Preliminary Amendment w/Sequence Listing (paper and computer readable copies); Information Disclosure Statement w/Forms PTO-1449, English-language International Search Report and 20 references

Name of Applicant: Bruno MOUGIN et al.

Serial No.: 09/701,243

Atty. File No.: 107976

Title (New Cases):

Sender's Initials: WPB:SJP/jca



PATENT OFFICE DATE STAMP

39



The following papers have been filed:

PCT Trans. Ltr. & Ck 115057 \$130, Decl., Asgn. Trans. Ltr. & Ck 115056 \$40, Assign.

Name of Applicant: Bruno MOUGIN et al.

Serial No.:

09/701,243

Atty. File No.:

107976

Title (New Cases):

Sender's Initials:

WPB/cmm



144/20

PATENT OFFICE DATE STAMP

COPY TO BE STAMPED BY PATENT OFFICE AND RETURNED BY MESSENGER

42

JC10 Rec'd PCT/PT0	0	9	OCT	2001
ATTORNEY'S DOCKET NUMBER	3ER			

(1390 REV. 5-93) US DEPT. OF COMMERCE PATENT & TRADEMARK OFFICE

A FIRST preliminary amendment.

A substitute specification.

Listing Already Filed.

A SECOND or SUBSEQUENT preliminary amendment.

Entitlement to small entity status is hereby asserted.

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14.

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16.

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TRANSMITTA ETTER TO THE **UNITED STATES**

O.O. ALA LIGATION NO.
(if known, sec 37 C.F.R.1.5)
09/701,243

10797

 	PE VO	DESIGNATED/ELEG (DO/EO/US) CONCER UNDER 35 U.	RNING A FILING	09/701,243
Ø	NTERNAT PCT/FR99	IONAL APPLICATION NO.	INTERNATIONAL FILING DATE May 27, 1999	PRIORITY DATE CLAIMED May 27, 1998
1	METHOD	NVENTION FOR AMPLIFYING AT LEAST OF	NE SPECIFIC NUCLEOTIDE SEQUEN	NCE, AND PRIMERS USED
ſ	Bruno MC	TS FOR DO/EO/US OUGIN et al.		
	Applicant information 1.	on:	d States Designated/Elected Office of items concerning a filing under 3	(DO/EO/US) the following items and other
	2.			perning a filing under 35 U.S.C. 371.
	3.	This express request to begin	n national examination procedures	(35 U.S.C. 371(f)) at any time rather than set in 35 U.S.C. 371(b) and PCT Articles 22
	4.	A proper Demand for Interna claimed priority date.	tional Preliminary Examination was	s made by the 19th month from the earliest
	5.	a. is transmitted herewithb. has been transmitted	oplication as filed (35 U.S.C. 371(c) of required only if not transmitted by the International Bureau. Application was filed in the United	y the International Bureau).
	6.	A translation of the Internation	nal Application into English (35 U.S	S.C. 371(c)(2)).
	7.	 a. are transmitted here b. have been transmitte c. have not been made 	with (required only if not transmitteded by the International Bureau.	r PCT Article 19 (35 U.S.C. 371(c)(3)) d by the International Bureau). g such amendments has NOT expired.
	8.	A translation of the amendme	ents to the claims under PCT Article	e 19 (35 U.S.C. 371(c)(3)).
	9.	An oath or declaration of the	inventor(s) (35 U.S.C. 371(c)(4)).	
	10.	A translation of the annexes (35 U.S.C. 371 (c)(5)).	to the International Preliminary Exa	mination Report under PCT Article 36
	Items 1'		document(s) or information incatement under 37 CFR 1.97 and 1.	
	12.	An assignment document for included.	recording. A separate cover shee	t in compliance with 37 CFR 3.28 and 3.31 i

Other items or information: Response to Notification of Missing Requirements Declaration and Sequence

U.S. APPLICATION NO. (if known, see 3 INTERNATIONAL APPLICATION C.F.R. 1.5) 09/701,243 INTERNATIONAL APPLICATION PCT/FR99/01247			N NO.	A NEY'S DO	OCKET NUMBER	
17. The following fees are submitted:			CALCL	JLATIONS	PTO USE ONLY	
Basic National fee (37 CFR 1.492(a)(1)-(5)):						
Search Report h	as been prepared by t	he EPO or J	PO\$890.00	ll		
International pre (37 CFR1.482)	liminary examination f	ee paid to US	SPTO \$710.00			
(37 CFR 1.482)	preliminary examinational searce a)(2))	h fee paid to	USPTO			
1.482) nor interr	onal preliminary exam national search fee (37	CFR 1.445(a)(2))			
(37 CFR 1.482)	liminary examination f and all claims satisfied	d provisions (of PCT			
	ENTER APPROPRIA			\$		
Surcharge of \$130.00 20 30 months 1.492(e)).	for furnishing the oath from the earliest clain	or declarationed priority d	on later than ate (37 CFR	\$		
Claims	Number Filed	Number Extra	Rate			
Total Claims	- 20 =		X \$ 18.00	\$		
Independent Claims	- 3 =		X \$84.00	\$		
Multiple dependent cla	aim(s)(if applicable)		+ \$280.00	\$		
TOTAL OF ABOVE CALCULATIONS =			\$			
Reduction by 1/2 for f	iling by small entity, if	applicable.	<u>-</u>	\$		
			SUBTOTAL =	\$		
Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30 month from the earliest claimed priority date (37 CFR 1.492(f)).				\$		
		TOTAL NA	ATIONAL FEE =	\$		
					Amount to be refunded	\$
					Charged	\$
 a. Check No in the amount of \$ to cover the above fees is enclosed. b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed. c. The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 15-0461. A duplicate copy of this sheet is enclosed. 						
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.						
SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria Virginia 22320				NAME WILL	eto P. Bertidge ION NUMBER:	30,024
					S. Armstrong	36,430



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Bruno MOUGIN et al.

ATTN: PCT Branch

Application No.: 09/701,243

Docket No.: 107976

Filed:

December 28, 2000

For:

METHOD FOR AMPLIFYING AT LEAST ONE SPECIFIC NUCLEOTIDE

SEQUENCE, AND PRIMERS USED

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS

UNDER 35 U.S.C 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

DECLARATION AND SEQUENCE LISTING ALREADY FILED

Director of the U.S. Patent and Trademark Office Washington, D.C. 20231

Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C 371 in the United States Designated/Elected Office (DO/EO/US) (copy attached) mailed on October 1, 2001, the executed Declaration of the inventors was filed on December 28, 2000 and the Sequence Listing with a paper copy and a and computer readable form was filed on March 1, 2001. A copy of the executed Declaration as filed, Sequence Listing as filed, a copy of the Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371, and a copy of the stamped postcard receipts are attached hereto. The surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)) was also paid on December 28, 2000 with our Check No. 115057 for \$130.00.

Entry of these documents on <u>December 28, 2000</u> and <u>March 1, 2001</u> should have completed all of the filing formalities. Accordingly, prompt issuance of a Notification of Acceptance and Filing Receipt, and prompt examination and allowance of this application are respectfully solicited.

The Director is hereby authorized to charge any additional fee (or credit any overpayment) associated with this communication to Deposit Account No. 15-0461.

Respectfully submitted,

William P. Berridge

Registration No. 30,024

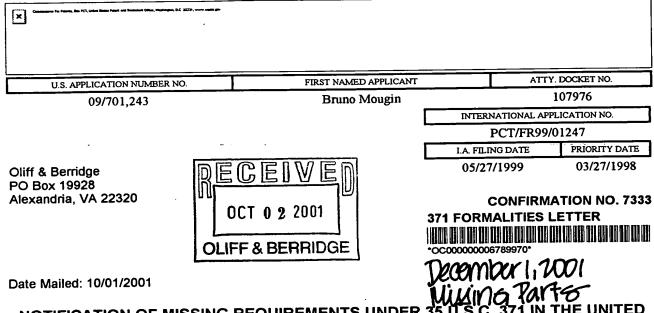
Joel S. Armstrong Registration No. 36,430

WPB:JSA/cmm

Date: October 9, 2001

OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320 Telephone: (703) 836-6400 DEPOSIT ACCOUNT USE
AUTHORIZATION
Please grant any extension
necessary for entry;

Charge any fee due to our Deposit Account No. 15-0461



NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fees
- Priority Document
- Biochemical Sequence Listing
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Preliminary Amendments

By MM on 10 2001

Oliff & Berridge

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the
 application by the International application number and international filing date.
- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply
 with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason
 (s):
 - A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).
 - APPLICANT MUST PROVIDE:
 - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase Patentin Software, call (703) 306-2600
- For Patentin Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

SHELBY J VIGIL

Telephone: (703) 305-3653

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY, DOCKET NO.
09/701 243	PCT/FR99/01247	107976



The following papers have been filed:

PCT Trans. Ltr., Response to NOMR, decl. & sequence listing already filed, copies of NOMR, PCT Trans. ltrs., Decl., Sequence Listing, date-stamped postcards

Name of Applicant: Bruno MOUGIN et al.

Serial No.: 09/701,243

Atty. File No.: 107976

Title (New Cases):

Sender's Initials: WPB/cmm

26/7

PATENT OFFICE DATE STAMP

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COPY TO BE STAMPED BY PATENT OFFICE AND RETURNED BY MESSENGER